



Grades 9-12 OPSPARC Parent/Guardian & Teacher Project Checklist

- ✓ **Step 1:** Assist students with registration.
- ✓ **Step 2:** Carefully review rules, timeline, and guidelines.
- ✓ **Step 3:** Support students as they gather information about the James Webb Space Telescope (JWST) mission and technology. Resources can be found within the *Research Resources*.
- ✓ **Step 4:** Guide students through the *Steps to Complete the 9-12 Glog* document.
- ✓ **Step 5:** Guide students through their completion of a *Glogster Multimedia Poster (Glog)* that showcases their work through the engineering design process (EDP). The *Glog* should include:
 - Research about the JWST mission and technology.
 - These components of the EDP:
 - Identify the Problem
 - Identify Criteria and Constraints
 - Brainstorm Possible Solutions
 - Selecting a Design
 - Sketches of the Design
 - Build, Evaluate and Refine the Design
 - An image of a prototype of your innovation.
 - Share your Solution
 - A video (up to 3 minutes) that explains your innovation of the technology.
- ✓ **Step 6:** Help students post their *Glog* March 8, 2016.
- ✓ **Step 7:** Support those groups who are selected for two *possible next steps*:



- Step 7a: Public Voting Step 7b: InWorld Team

Important Dates:

January 12, 2016	Contest begins
Mar. 8, 2016	All Glog uploads due
Mar 10, 2016	InWorld OPSPARC Teams chosen
Mar. 15 - 30, 2016	Public Voting
Mar. 17 - Apr. 8, 2016	InWorld seminars and Q&A sessions with Subject Matter Experts
April 14, 2016	Five finalists selected for InWorld OPSPARC
April 27 - 28, 2016	Finalists synchronous tours InWorld
May 2, 2016	OPSPARC winners and In World winners announced
June 28-29, 2016	NASA Goddard Space Flight Center Winners Awards Ceremony and Workshops for winners